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Effects of single or repeated treatment with several anticholesterolemic compounds on biliary excretion of cholesterol

P. Preziosi, B. Loscalzo, E. Marmo and E. Miele

Department of Pharmacology, University of Naples, Italy

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Abstract

The effects of single or repeated treatments with nicotinic acid, 3-pyridineacetic acid, inositol hexanicotinate, Na-phenylbutyrate, betaine phenylbutyrate, 1:4-dicaffeoylquinic acid and sodium dehydrocholate on biliary excretion of cholesterol were studied in the rat. After a single intravenous administration, among the drugs experimented only 1:4-dicaffeoylquinic acid at the highest doses examined and phenylbutyrates, these at the lowest doses, increased the biliary excretion of cholesterol. After repeated administrations by the intraperitoneal route none of the compounds examined succeeded in modifying in a statistically significant manner the biliary excretion of cholesterol.

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